Index to *Pacific Discovery*: Volume XIII, 1960

ACADEMICALLY SPEAKING (department): *1* 33, *2* 33, *3* 33, *4* 33, *5* 33, *6* 37
Adams, James Capen ("Grizzly"), *3* 20
Akihito, Crown Prince, of Japan, *6* 37
AMSDEN, MAURICE R., *3* 29, *5* 30
ANGELO, HEATH, *3* 30
ANTHONIOZ, PIERRE, *1* 4-15

ARTICLES:
Ayudhya, a Page from Thailand's Past. PHILIP FERRY, *5* 16-20
"Bear-Crank" Californians. RICHARD H. DILLON, *3* 20-21
Canoes, Campfires, and Carbon 14. BENJAMIN DRAPER, *3* 14-20
Captain Palmer's Continent. JOSEPH L. PARKHURST, JR., *4* 20-21
Cochineal Red. HIRAM L. & ANNETTE R. PARENT, *4* 22-25
Desert San Nicolas and the Last Nicoleño. ROBERT M. NORRIS, *3* 10-13
"Kujira": Sixty-three South with the Japanese Whalemen. CLIFFORD V. HARRINGTON, *4* 2-15
Landscaping vs. Landscraping. BEN EHRICH, *2* 3-5
Living Along the Lachlan (Part III, Conclusion, of *Koalas, Kookaburras, and Kangaroos*). PATRICIA BAILEY WITHERSPOON, *1* 18-25
Rice Toilers of Thailand, The. ROBERT E. BURTON, *5* 4-15
Sala y Gomez—Lonely Landfall. ROBERT M. NORRIS, *6* 20-25
Sealskins Alive! VICTOR B. SCHEFFER, *3* 2-9
Sing of Swans: a photo story. HENRY H. SHELDON, *6* 17-19
Spatial Patterns in the World of Nature. VICTOR B. SCHEFFER, *4* 16-20
Una Expedición de Yanquis Salio Hoy al "Sumidero." MARSHALL BOND, JR., *6* 2-13
Voyage to Vanikoro. REECE DISCOMBE & PIERRE ANTHONIOZ, *1* 4-15
Wanderer of the Wild Palms. WELDON F. HEALD, *6* 14-16
Wright Approach to Natural History, The. Cartoon feature. PATRICIA F. WRIGHT, *2* 31, *6* 31

ASTRONOMY (department):
Demons and Kings. GEORGE W. BUNTON, *5* 28-30
Earth Shadows and Moon Men. GEORGE W. BUNTON, *4* 29
End of a Decade of 50's, The. GEORGE W. BUNTON, *1* 29-31
Hardware from Heaven: The Story of Meteorites. O. RICHARD NORTON, *6* 26-28
New View of Jupiter. GEORGE W. BUNTON, *2* 28-29
Short History of the Reflecting Telescope. MEARL F. CARSON, *3* 24-29
Sky Diary, 1 31, *2* 29, *3* 29, *4* 29, *5* 30, *6* 28
Australian life, nature, *1* 18-25
Ayudhya (Thailand), ancient city, *5* 16-20

BATES, BERNARR, *3* 31-32
Birds of Thailand, *5* 21-26
BLACK, RALPH J., *1* 27
BOND, MARSHALL, JR., *6* 2-13

BOOK REVIEWS:
Back to Bokhara, 5 31
Balance of Nature, The. 6 30
Bent's Life Histories of North American Birds: Vol. I—Water Birds; Vol. II—Land Birds, 2 31
Bones for the Archaeologist, 2 32
California Place Names: The Origin and Etymology of Current Geographical Names (2nd ed.), *6* 31
California Wildlife Map. Section A—Mammals; B—Plants; C—Birds; D—Reptiles & Amphibians; E—Animals Without Backbones, 2 31
Country Matters, 2 30
Crystal & Mineral Collecting, 3 31
Curious Naturalists, 2 31
Devil's Repertoire, The, or Nuclear Bombing and the Life of Man, 1 fac.1
Ducks, Geese, and Swans, 6 32
East Wind Rising: A Long View of the Pacific Crisis, 3 30
Field Guide to Bird Songs of Eastern and Central North America, A, 2 31
Field Guide to the Birds, A, 2 31
Frontiers of the Sea: The Story of Oceanographic Exploration, 6 32
History of Hong Kong, A, 1 32
In and Out of the Ivory Tower: The Autobiography of Richard B. Goldschmidt, 6 32
Japanalia, 4 30
Japan and America: From Earliest Times to the Present, 4 30
Japan: Before Buddhism, 4 30
Journey Into Summer, 6 30
Land Reform in Japan, 4 30
Living House, The, 6 31
Living Japan, 4 30
Living Silver, 6 32
Manila Galleon, The, 1 32
McKay's Guide to Alaska, 3 31
Meeting With Japan, 4 30
Moon Car, The, 2 31
Natural History of the Southwest, The, 3 31
Of Nature, Time and Teale, 6 30
Open Sea, The: Its Natural History. Part II. Fish and Fisheries, 1 1
Oysters, 6 32
Out of Noah's Ark: The Story of Man's Discovery of the Animal Kingdom, 3 30
Palms of the World, 6 31
Papers of Benjamin Franklin, The, 1 1
Portraits from Memory: Recollections of a Zoologist, 6 32
San Francisco Bay Area, The: A Metropolis in Perspective, 3 fac.1
Sea Off Southern California, The, 2 32
Short History of Cambodia, A: From the Days of Angkor to the Present, 5 1
Sources of the Japanese Tradition, 4 30
Surveyor of the Sea: The Life and Voyages of Captain George Vancouver, 1 1
Tall Ships and Great Captains, 6 31
Thailand: An Introduction to Modern Siam, 5 1
Thailand: Its People, Its Society, Its Culture, 5 1
There Stand the Giants; The Story of the Redwood Trees, 6 32
This Is the American Earth, 2 fac.1
Troublesome Voyage of Captain Edward Fenton 1852–1853, The, 1 32
Vanishing Frenchman, The: The Mysterious Disappearance of Lapérouse, 6 32
Village Japan, 4 30
Village Life in Modern Thailand, 5 1
Voyage of the Astrolabe—1840, The, 1 32
West of the Indus, 5 31
Wildlife in America, 2 30
Zaibatsu Dissolution in Japan, 4 30
Zulu Journal: Field Notes of a Naturalist in South Africa, 2 30

Buckeye, California, *3* 22
BUNNELL, STERLING, *3* 23, *6* 34
BUNTON, GEORGE W., *1* 29-31, *2* 28-29,31,32, *4* 29, *5* 28-30
BURTON, ROBERT E., *5* 4-15

California Academy of Sciences, departments, *5* 33; trustees, officers, sponsors, *6* fac.1
Carbon-14 dating in the Pacific Area, *3* 14-20
CARSON, MEARL F., *3* 24-28,32
CHACE, E. P., *2* 32
CLOSE, MRS. FRANKLIN D., *3* 32
Cochineal scale insect, dye, *4* 22-25

CONSERVATION (department):
Forest Dies on Mauna Kea, A. RICHARD E. WARNER, *2* 6-14
To Keep This Forest Primeval. ARTHUR C. SMITH, *2* 15-21

DILLON, RICHARD H., *3* 20-21
DISCOMBE, REECE, *1* 4-15
Dogwood, Pacific, *3* 22-23
DRAPER, BENJAMIN, *3* 14-20

EDITORIALS:
How to Improve Your Mind, 1 2-3
Invention of Poisons, The. ADOLF PORTMANN, *4* 1
Meeting the Muang Thai, 5 1
Save Our Remaining Wilderness, 2 1-2
Scientist and Sagebrush, The. OLAUS J. MURIE, *4* 1
Study Nature and *Books, 6* 1
Watering the Garden, 3 1

EDITORS of *Time, 2* 33
EHRICH, BEN, *2* 3-5

FERRY, PHILIP, *5* 16-20

FOCUS ON NATURE (department): *1* 26-28, *2* 26-27, *3* 22-23, *4* 26-28, *5* 27, *6* 29

FOLLOW-UP (department): *3* 30, *4* 31-32

FROM THE READER (department): *2* 32, *3* 31-32, *5* 32, *6* 33-34
Fur seal pelage, *3* 2-9

GILMORE, RAYMOND M., *5* 32-33
GOETHE, C. M., *3* 31
GREGG, HAROLD, *3* 32
Grijalva, Río (Mexico), *6* 2-13
Grizzly bears and California pioneers, *3* 20-21
Gustafson, Dr. Joel F., *4* 33

HARRINGTON, CLIFFORD V., *4* 2-15,31-32
Hawks, protection, *3* 23
HEALD, WELDON F., *6* 14-16

HEDGPETH, JOEL W., *1* 1, *2* 31,32, *6* 32
Herbicides, effect on wildlife, *4* 1
HOWARD, ALICE, *3* 32
HOWELL, JOHN THOMAS, *3* 33

ILLUSTRATIONS:
Astrolabe and *Boussole*, frigates of La Pérouse, *1* 4-5
Ayudhya (ruins, Thailand), *5* 16-19
Bangkok (Thailand), view, *5* 20
Bat, hoary, *1* 28
Buckeye, California, *3* 22
Cascades, Northern (Washington), view, *2* 1
Cochineal scale insect, *4* 24-25
Condor, California, *2* 27
Crane, whooping, *2* 27
Dogwood, Pacific, *3* 23
Eagle, bald (immature), *2* 27
Egret, common, *2* 27
Emu (Australian bird), *1* 25
Flea, cat, *1* 28
dog, *1* 28
Fly, house, *1* 28
Gustafson, Dr. Joel F., *4* 33
Jupiter, *2* 29
Kangaroo, gray, *1* 24
Lekagul, Dr. Boonsong (Thai naturalist), *5* 2
Libby, Dr. Willard F., *3* 15
Lizard, banded gecko, *4* 26
banded rock, *4* 27
California legless, *4* 26
chuckwalla, *4* 27
coast horned, *4* 27
collared, *4* 26
desert iguana, *4* 26
desert night, *4* 27
desert spiny, *4* 27
fringe-toed, *4* 27
Gila monster, *4* 27
leopard, *4* 26
Northern alligator, *4* 27
side-blotched, *4* 27
Southern alligator, *4* 27
Western fence, *4* 27
Western skink, *4* 27
Western whiptail, *4* 26
zebra-tailed, *4* 26
Maha Mongkut, King (Siam), *5* 29
Meteorites, *6* 27
Mosquito *(Culex tarsalis)*, *1* 28
Moth, ceanothus silk (cocoon), *1* 27
Glover's silk, *1* 27
tomato sphinx, *1* 26
Western tiger swallowtail, *1* 26
Oak, coast live, *2* 5
Palmer, Captain Nathaniel Brown, *4* 20
Podargus (Australian bird), *1* 19
Possum, gray (Australia), *1* 22
Python, reticulated (with handlers), *5* 27
Radio telescope, *1* 30
Reid Adobe (California pioneer house), *2* 22-25
Rice farming (Thailand), *5* 4-13
plant *(Oryza sativa)*, *5* 15
Rockets (USAF Titan), *1* 30-31
Seal, northern fur, *3* 2-9
Skipjack (fish), *4* cover, 16
Swallow, cliff, *2* 26-27
Swan, mute, *6* 17-19
trumpeter, *6* 18
whistling, *6* 19
Telescopes, *3* cover, 24-27
diagrammed, *3* 29
Turkey, wild, *2* 27
Whale, finback, *4* 8-14
Whaling, Antarctic, *4* 2-14
Japan, books reviewed, *4* 30-31
JEFFERDS, MARY, *3* 23
JONES, PIRKLE, *1* 16-17
Jupiter, *2* 28-29

KEH, BENJAMIN, *1* 28
KELLEY, DON GREAME, *1* fac.1,1,32, *2* fac.1, 30-31, *3* fac.1,30-31, *4* fac.1,30-31, *5* fac.1, 1,31, *6* fac.1,30-31,32
KNECHT, MRS. J. HERBERT, *3* 32

Landscape conservation, *2* 3-5
Landscape magazine, *4* fac.1
La Pérouse, Jean François de Galaup, Comte de, *1* 4-15; relics, *4* 31
Lekagul, Boonsong, M.D., *5* 2-3
LENN, ANNA, *3* 33
LEOPOLD, A. STARKER, *2* 1-2
Lily, yellow Mariposa, *3* 22
LINDLEY, PHYLLIS, *3* 23
Lizards, Western, *4* 26-27

Maha Mongkut, King of Siam, *5* 28-30

MAPS:
Hawaii (part of island), *2* 7
Pacific Ocean, ethnographic divisions, *3* 16-17
Palmer Peninsula (Antarctica), *4* 20
Río Grijalva (Chiapas, Mexico), *6* 13
Sala y Gomez Island, Ridge, *6* 20-21
Thailand, rice areas, *5* 14
Vanikoro Islands (Pacific), *1* 15
Western Pacific (chart of whaling voyage), *4* 15
McCLURE, H. ELLIOTT, *5* 21-26
McMILLAN, IAN I., *3* 32
Memory training, *1* 2-3
Meteorites, *6* 26-28
MILLER, ROBERT C., *3* 1, *5* 2-3, *6* 32
MILLS, JAMES G., M.D., *6* 33
"Moon men," *4* 29
Moths, *1* 26
Muang Thai, people, *5* fac.1,1
MULHERN, THOMAS D., *1* 27-28
MURIE, OLAUS J., *4* 1
MURRAY, KEITH, *1* 27
National Audubon Society, *3* 23
Nature books, *6* 1,29
Nature Conservancy, The, *2* 15-20
NORRIS, ROBERT M., *3* 10-13, *6* 20-25
Northern California Coast Range Preserve, *2* 15-21
NORTON, O. RICHARD, *6* 26-28
"Old Doty" (California pioneer), *3* 20-21

PACIFIC PROFILES (department):
Audubon of Thailand. ROBERT C. MILLER, *5* 2-3
Palmer, Captain Nathaniel Brown, *4* 20-21
Palmer Peninsula (Antarctica), discovery, *4* 21
Palms in California desert, *6* 14-16
PARENT, ANNETTE R., *4* 22-25
PARENT, HIRAM L., *4* 22-25
PARKHURST, JOSEPH L., JR., *4* 20-21
Patterns in nature, *4* 16-20
PETERS, RICHARD, *1* 27

PHOTO CENTER (department):
Untitled. PIRKLE JONES, *1* 16-17
Pine drops, *3* 22
PORTMANN, ADOLF, *4* 1
Python, reticulated, *5* 27
Radio astronomy, *1* 29-30, *2* 28-29
Rice culture, Thailand, *5* 4-15
Reid Adobe, restoration, *2* 22-25
RICHARDSON, HAL, *1* 33, *2* 33, *3* 33, *4* 33, *5* 33
Ross, Dr. Edward S., in Madagascar, *2* 33
ROADS TO DISCOVERY (department):
Pingers' Progress or: Birding on a Bamboo Raft. H. ELLIOTT McCLURE, *5* 21-26

Sala y Gomez Island (Pacific), *6* 20-25
San Nicolas Island (California), *3* 10-13
SCHEFFER, VICTOR B., *3* 2-9, *4* 16-20
Science Fair awards, *3* 33
SCIENCE LOOKS INTO IT (department):
Restoring the House of the "Scotch Paisano." E. S. TAYLOR, *2* 22-25
Sheep, feral, in Hawaii, *2* 6-14
SHELDON, HENRY H., *6* 17-19
SHUMATE, ALBERT, M.D., *3* 32
SHUTLER, DICK, JR., *6* 33
SMITH, ARTHUR C., *1* 26-28, *2* 15-21,26-27, *3* 22-23, *4* 26-28, *5* 27, *6* 1,29
Snow plant, *3* 22
STRUVE, OTTO, *6* 34
Swallows, cliff, *2* 26-27
SWANS, *6* 17-19

TAYLOR, E. S., *2* 22-25
Telescopes, history, *3* 24-28
Thailand (special issue), *5*
Tsunami (destructive oceanic waves), *3* 30, *4* 32
TUSLER, W. H., *2* 32

Van Allen radiation belts, *2* 29
Vectors, biological, *1* 27-28

WARNER, RICHARD E., *2* 6-14
WEED, JOHN MERRILL, *2* 32
Whales, conservation, *5* 32-33
Whale, California gray, *6* 33
Whaling in the Antarctic, *4* 2-15
Wildlife sanctuary, establishing, *3* 23
Wildflower collecting, *3* 23
Wilderness conservation, *2* 1-2
WITHERSPOON, PATRICIA BAILEY, *1* 18-25
WRIGHT, PATRICIA F., *2* 31, *6* 31

ZIMMERMAN, ELWOOD C., *3* 32
Zodiacal light, *4* 29

Get busy—

and send us your Gift Subscription list; *we* send the handsome gift cards. *PD*